Resource Summary Report

Generated by dkNET on May 7, 2025

OBO

RRID:SCR_007083
Type: Tool

Proper Citation

OBO (RRID:SCR_007083)

Resource Information

URL: http://www.obofoundry.org/

Proper Citation: OBO (RRID:SCR_007083)

Description: A collaboration involving developers of science-based ontologies who are establishing a set of principles for ontology development with the goal of creating a suite of orthogonal interoperable reference ontologies in the biomedical domain. In addition to a listing of OBO ontologies, this site provides a statement of the OBO Foundry principles, discussion fora, technical infrastructure, and other services to facilitate ontology development. Feedback is welcome and participation encouraged.

Abbreviations: OBO

Synonyms: The Open Biomedical Ontologies, OBO Foundry, Open Biological and Biomedical Ontologies, Open Biological and Biomedical Ontology Foundry

Resource Type: narrative resource, ontology, data or information resource, knowledge environment, standard specification, controlled vocabulary

Defining Citation: PMID:17989687

Keywords: biomedical, metadata standard, gold standard, FASEB list

Funding:

Resource Name: OBO

Resource ID: SCR_007083

Alternate IDs: nlx_22892

Record Creation Time: 20220129T080239+0000

Record Last Update: 20250507T060448+0000

Ratings and Alerts

No rating or validation information has been found for OBO.

No alerts have been found for OBO.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 166 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Smith JR, et al. (2025) Standardized pipelines support and facilitate integration of diverse datasets at the Rat Genome Database. Database : the journal of biological databases and curation, 2025.

Foster C, et al. (2024) Standardizing Extracted Data Using Automated Application of Controlled Vocabularies. Environmental health perspectives, 132(2), 27006.

Baron JA, et al. (2024) The DO-KB Knowledgebase: a 20-year journey developing the disease open science ecosystem. Nucleic acids research, 52(D1), D1305.

Mansueto L, et al. (2024) Building a community-driven bioinformatics platform to facilitate Cannabis sativa multi-omics research. GigaByte (Hong Kong, China), 2024, gigabyte137.

Beverley J, et al. (2024) Coordinating virus research: The Virus Infectious Disease Ontology. PloS one, 19(1), e0285093.

Turki H, et al. (2024) A framework for integrating biomedical knowledge in Wikidata with open biological and biomedical ontologies and MeSH keywords. Heliyon, 10(19), e38448.

Ortega R, et al. (2023) Ontology for the Avida digital evolution platform. Scientific data, 10(1), 608.

Lastra-Díaz JJ, et al. (2022) HESML: a real-time semantic measures library for the biomedical domain with a reproducible survey. BMC bioinformatics, 23(1), 23.

Ringwald M, et al. (2022) Mouse Genome Informatics (MGI): latest news from MGD and GXD. Mammalian genome : official journal of the International Mammalian Genome Society, 33(1), 4.

Davis P, et al. (2022) WormBase in 2022-data, processes, and tools for analyzing Caenorhabditis elegans. Genetics, 220(4).

Gunturkun MH, et al. (2022) GeneCup: mining PubMed and GWAS catalog for gene-keyword relationships. G3 (Bethesda, Md.), 12(5).

Schröder M, et al. (2022) Structure-based knowledge acquisition from electronic lab notebooks for research data provenance documentation. Journal of biomedical semantics, 13(1), 4.

Giachelle F, et al. (2021) Search, access, and explore life science nanopublications on the Web. PeerJ. Computer science, 7, e335.

Sant DW, et al. (2021) Sequence Ontology terminology for gene regulation. Biochimica et biophysica acta. Gene regulatory mechanisms, 1864(10), 194745.

Konopka T, et al. (2021) Diffusion enables integration of heterogeneous data and user-driven learning in a desktop knowledge-base. PLoS computational biology, 17(8), e1009283.

Norris E, et al. (2021) Why and how to engage expert stakeholders in ontology development: insights from social and behavioural sciences. Journal of biomedical semantics, 12(1), 4.

Gundersen S, et al. (2021) Recommendations for the FAIRification of genomic track metadata. F1000Research, 10.

Jackson R, et al. (2021) OBO Foundry in 2021: operationalizing open data principles to evaluate ontologies. Database : the journal of biological databases and curation, 2021.

Masci AM, et al. (2021) Ontology-guided segmentation and object identification for developmental mouse lung immunofluorescent images. BMC bioinformatics, 22(1), 82.

Yamagata Y, et al. (2020) Ontological approach to the knowledge systematization of a toxic process and toxic course representation framework for early drug risk management. Scientific reports, 10(1), 14581.